

## WHAT IS CLAIMED IS:

1. A system for bypassing an aneurysm comprising a bypass prosthesis for extending through a portion of an aneurysm; and an extension prosthesis engaged with said bypass prosthesis for extending through another portion of said aneurysm.
2. The system of claim 1 wherein the bypass prosthesis comprises a stent having a graft material disposed on a surface of the stent, said stent defining a hollow tube having proximal and distal open ends, said distal end being configured to receive an extension prosthesis or portion thereof.
3. The system of claim 1 wherein the extension prosthesis comprises a stent having a graft material disposed on a surface of the stent, said stent defining a hollow tube having proximal and distal open ends, said proximal end being configured to engage the bypass prosthesis or portion thereof.
4. The system of claim 3 wherein the proximal end of the extension prosthesis comprises at least one open hoop.
5. The system of claim 4 wherein the open hoop comprises at least two struts that are unattached on the proximal end.
6. The system of claim 1 further comprising a sealing prosthesis configured to receive a proximal end of said bypass prosthesis.
7. The system of claim 6 wherein said sealing prosthesis comprises a stent having a gasket material disposed on a surface of the stent, said stent defining a hollow tube having a distal open end and a covered proximal end, said proximal end of said sealing prosthesis being configured to engage the proximal end of the bypass prosthesis or portion thereof.

8. The system of claim 1 further comprising at least one connector for engaging the bypass prosthesis with the extension prosthesis.

9. The system of claim 8 wherein said connector comprises a leg having a knobbed tip.

10. The system of claim 1 further comprising at least one anchor positioned in a distal portion the extension prosthesis.

11. The system of claim 1 further comprising at least one marker positioned in a distal portion of said bypass prosthesis, and at least one marker positioned in a proximal portion of said extension prosthesis.

12. The system of claim 11 wherein the distal portion of the bypass prosthesis comprises at least two markers, said markers forming a distinctive pattern.

13. The system of claim 11 wherein the proximal portion of the extension prosthesis comprises at least two markers, said markers forming a distinctive pattern.

14. An extension prosthesis for partially bypassing an aneurysm comprising a stent having a graft material disposed on a surface of the stent, said stent defining a hollow tube having proximal and distal open ends, said distal end comprising at least one anchor for positioning the distal end of the extension prosthesis downstream of said aneurysm.

15. A method for treating an aneurysm comprising delivering a bypass prosthesis to a site adjacent to an aneurysm; and delivering and engaging an extension prosthesis with the bypass prosthesis.

16. The method of claim 15 wherein engaging an extension prosthesis with the bypass prosthesis comprises establishing a fluid flow path that bypasses the aneurysm.

17. A connector assembly for attaching a first prosthesis to a second prosthesis comprising a connector body having at least one tip, said tip being deformable into a knob.

18. The connector of claim 17 wherein the connector body is U-shaped and comprises at least two deformable tips.

19. A kit for bypassing an aneurysm comprising at least one of the following: a sterile or sterilizable enclosure; a first prosthesis; a first prosthesis in an individual sterile enclosure; a second prosthesis; a second prosthesis in an individual sterile enclosure; a third prosthesis; a third prosthesis in an individual sterile enclosure; at least one suture; at least one staple; a collar or catheter tip assembly configured to engage and deliver a first prosthesis, a second prosthesis, and/or a third prosthesis; and at least one marker configured for placement on a first prosthesis, a second prosthesis, a third prosthesis, and/or portions thereof.